

ABSTRACT

The present invention relates to a tunable resonating
5 arrangement comprising a resonator apparatus (10), input/output
coupling (4) means for coupling electromagnetic energy into/out
of the resonator apparatus, and a tuning device (3) for
application of a biasing voltage/electric field to the resonator
apparatus. The resonator apparatus comprises a first resonator
10 (1) and a second resonator (2). Said first resonator is non-
tunable and said second resonator is tunable and comprises a
ferroelectric substrate (21). Said first and second resonators
are separated by a ground plane (13) which is common for said
first and second resonators, and coupling means (5) are provided
15 for providing coupling between said first and second resonators.
For tuning of the resonator apparatus, the biasing
voltage/electric field is applied to the second resonator (2).

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(Fig. 4)